IN THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the Application:

LISTING OF CLAIMS:

1.   (Currently amended) A system for testing an enterprise system, comprising:

an aggregator for interfacing with an application under test that forms a part of an enterprise application system;

a signal generator/database coupled to the aggregator for storing and retrieving data; and

a plurality of probes each of which can be inserted between the aggregator and a respective component of the application under test, the plurality of probes for recording component data during a teach mode in the signal generator/database and injecting the data stored in the signal generator/database into the enterprise system during a playback mode to test the components, wherein at least one of the plurality of probes is an Enterprise Java Bean (EJB) software component probe transparently inserted between an EJB software component client and an EJB software component, and wherein a name proxy of the inserted EJB software component probe and the EJB software component are manipulated to transparently insert the EJB software component probe.

2.   (Original) The system according to claim 1, wherein the aggregator includes a graphical interface for enabling a user to selectively insert the plurality of probes at various locations in the application under test.

3.   (Original) The system according to claim 2, wherein the graphical interface includes a mechanism for selecting a breakpoint for playback mode.

4.   (Currently amended) The system according to claim 1, wherein the plurality of probes includes probes for interfacing to components selected from the group consisting of databases, networks, message queues, servlets, Enterprise JAVA Beans (EJB) software components, legacy systems, and web servers.

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7.   (Original) The system according to claim 1, wherein the signal generator/database can store component data selected from the group consisting of bean names, methods, arguments, method ordering, transaction number, elapsed time, and object information.

8.   (Original) The system according to claim 1, wherein the aggregator includes a graphical interface having a mechanism to expand data associated with a component under test.

9.   (Original) The system according to claim 8, wherein the graphical interface further includes a mechanism to create a plurality of instances of the component under test and exercise the component under test using data expanded from the data stored in the signal generator/database.

10.   (Currently Amended) A method for testing an enterprise system, comprising:

inserting a plurality of probes between an aggregator and respective components of an application under test;

recording data received by the plurality of probes during a teach mode;

storing the recorded data in a database;

injecting the recorded data into the enterprise system during a playback mode;

recording data received by the plurality of probes during the playback mode; ~~and~~

comparing actual and expected data;

<u>transparently inserting an</u> ~~Enterprise Java Bean (EJB)~~ <u>software component probe as one of the plurality of probes between an EJB software component client and an EJB software component by replacing a name proxy of the EJB software component with that of the EJB software component probe.</u>~~-~~

11.   (Original) The method according to claim 10, further including selecting a breakpoint corresponding to a point associated with a component under test.

12.   (Original) The method according to claim 11, further including running the application under test until reaching the breakpoint and retrieving recorded data associated with the component under test.

13.   (Original) The method according to claim 12, further including expanding the data associated with the component under test and creating a plurality of instances of the component under test.

14.   (Original) The method according to claim 13, further including load testing the component under test with the expanded data.

15.   (Original) The method according to claim 14, further including load testing the component under test without compiling test code.

16.   (Currently amended) The method according to claim 11, further including selecting the component under test from the group consisting of EJB software components, web pages, web queues, databases, legacy systems, and message queues.

17.   (Original) The method according to claim 10, further including testing at least one of the plurality of components in a transactional context.

18.   (Original) The method according to claim 17, further including retrieving methods associated with the at least one of the plurality of components in an order in which the methods were called during the teach mode.

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20.   Cancel.

21.   (Currently amended) The method according to claim ~~19~~10, further including using ~~Java~~ JAVA reflection to generate the EJB software component probe from the EJB software component.

22.   (Original) The method according to claim 10, further including extracting execution time associated with the plurality of probes.

23.   (Currently amended) A computer readable medium having computer readable code thereon, the medium comprising:~~program product for testing an enterprise system comprising code for:~~

    instructions for inserting a plurality of probes between an aggregator and respective components of an application under test;

instructions for recording data received by the plurality of probes during a teach mode;

instructions for storing the recorded data in a database;

instructions for injecting the recorded data into the enterprise system during a playback mode;

instructions for recording data received by the plurality of probes during the playback mode; and

instructions for comparing actual and expected data; and

instructions for transparently inserting an EJB software component probe as one of the plurality of probes between an EJB software component client and an EJB software component by replacing a proxy of the EJB software component with that of the EJB software component probe.

24.   (Currently amended) The computer program product readable medium according to claim 23, further including code instructions for selecting a breakpoint corresponding to a point associated with a component under test.

25.   (Currently amended) The computer program product readable medium according to claim 24, further including code instructions for running the application under test until reaching the breakpoint and retrieving recorded data associated with the component under test.

26.   (Currently amended) The computer program product readable medium according to claim 25, further including code instructions for expanding the data associated with the component under test and creating a plurality of instances of the component under test.

27.   (Currently amended) The computer ~~program p~~ readable medium ~~roduct~~ according to claim 26, further including ~~code~~ instructions for load testing the component under test with the expanded data.

28.   (Currently amended) The computer ~~program product~~ readable medium according to claim 23, further including ~~code~~ instructions for selecting the component under test from the group consisting of EJB software components, web pages, ~~EJBs~~, web pages, web queues, databases, legacy systems, and message queues.

29.   (Currently amended) The computer ~~program product~~ readable medium according to claim 23, further including ~~code~~ instructions for load testing the component under test without compiling test code.

30.   (Currently amended) The computer ~~program product~~ readable medium according to claim 23, further including ~~code~~ instructions for testing at least one of the plurality of components in transactional context.

31.   (Currently amended) The computer ~~program product~~ readable medium according to claim 30, further including ~~code~~ instructions for retrieving methods associated with the at least one of the plurality of components in an order in which the method were called during the teach mode.

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33.   Cancel

34.   (Currently amended) The computer ~~program product~~ readable medium according to claim ~~32~~ 23, further including ~~code~~ instructions for using ~~Java~~ JAVA

<u>programming language</u> reflection to generate the EJB <u>software component</u> probe from the EJB <u>software</u> component.

35.   (Currently amended) The computer ~~program product~~<u>readable medium</u> according to claim 23, further including ~~code~~<u>instructions</u> for extracting execution time associated with the plurality of probes.